

Fig. 1
(Prior Art)

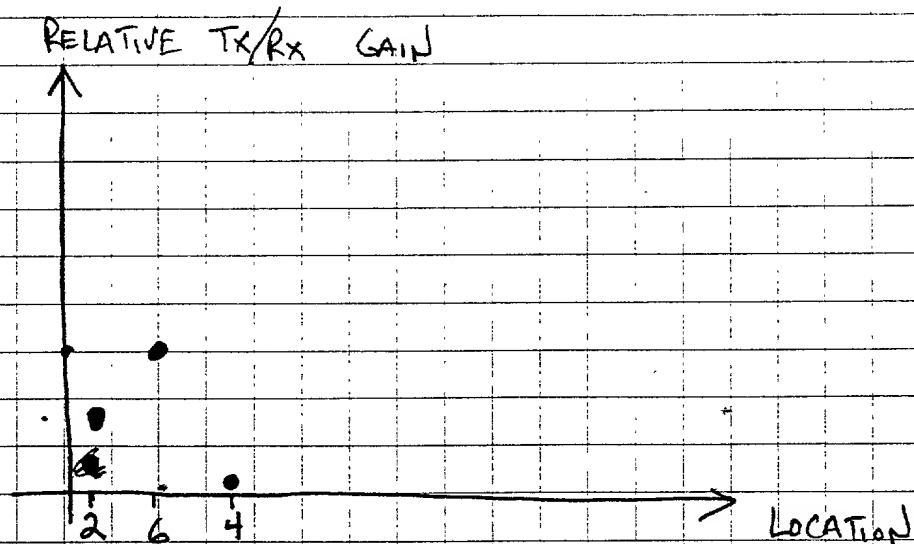


Fig. 1B
(Prior Art)

FIG. 2 is a block diagram of a system 20 for communicating with a network 34.

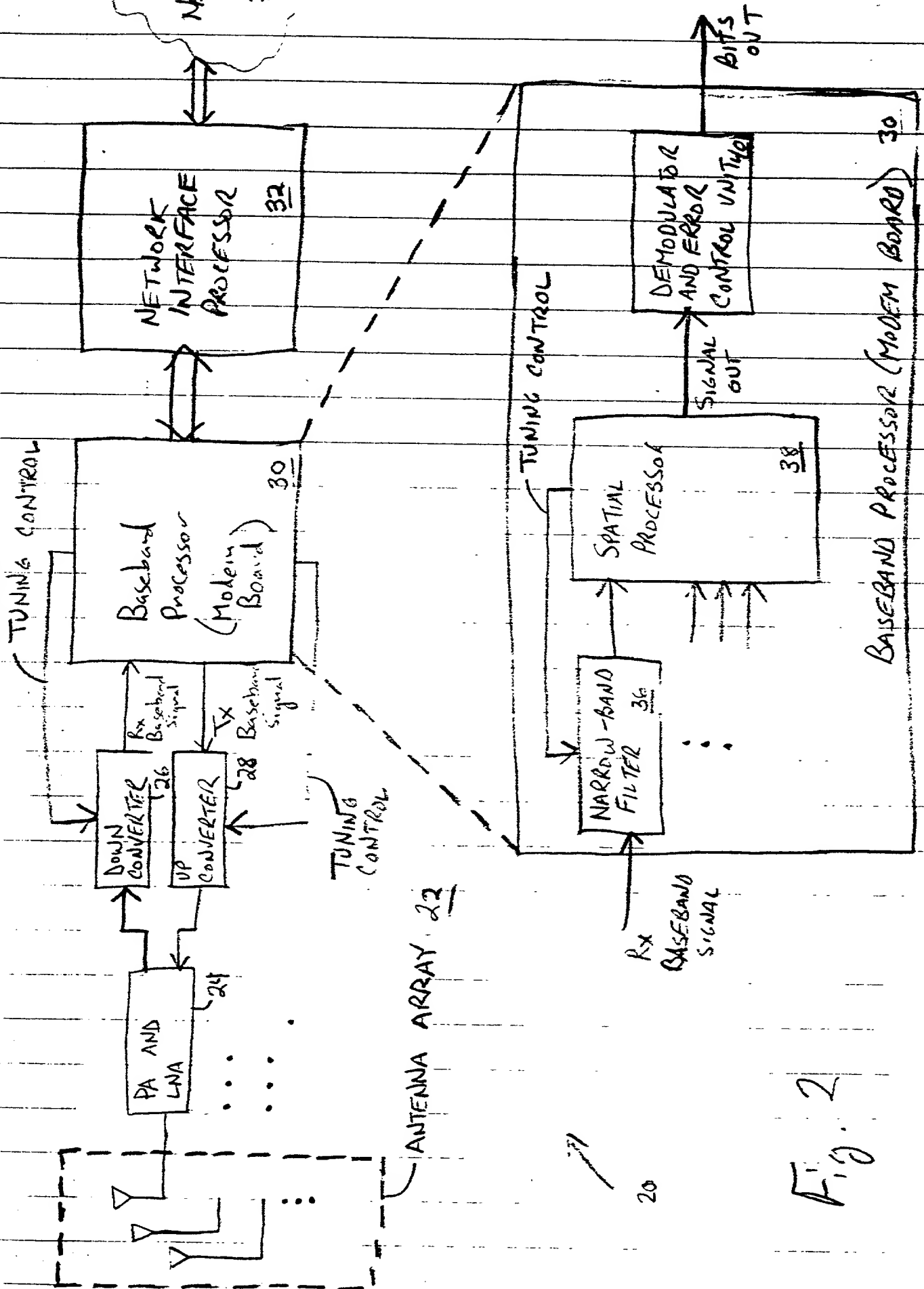


Fig. 2

Fig.
3A

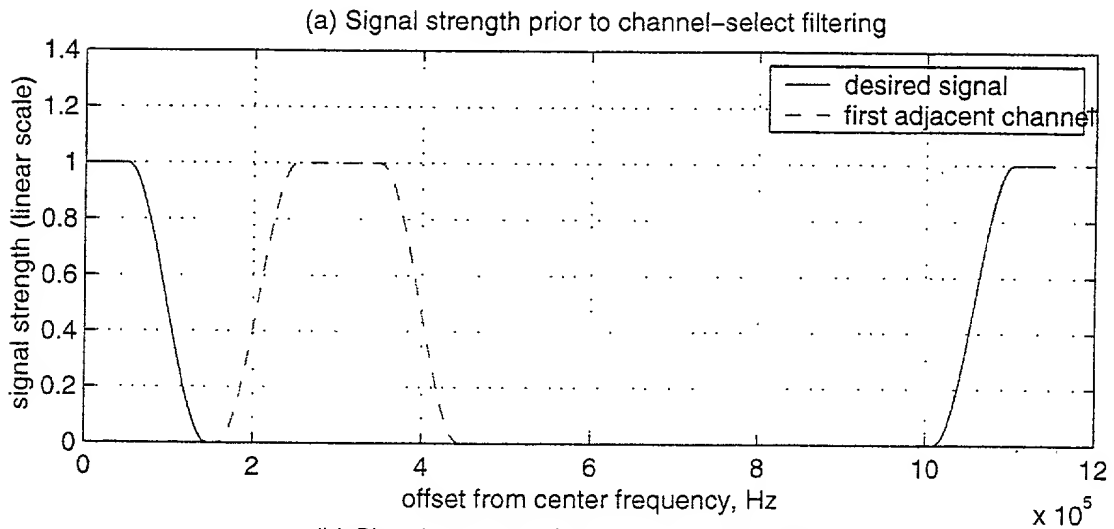


Fig.
3B

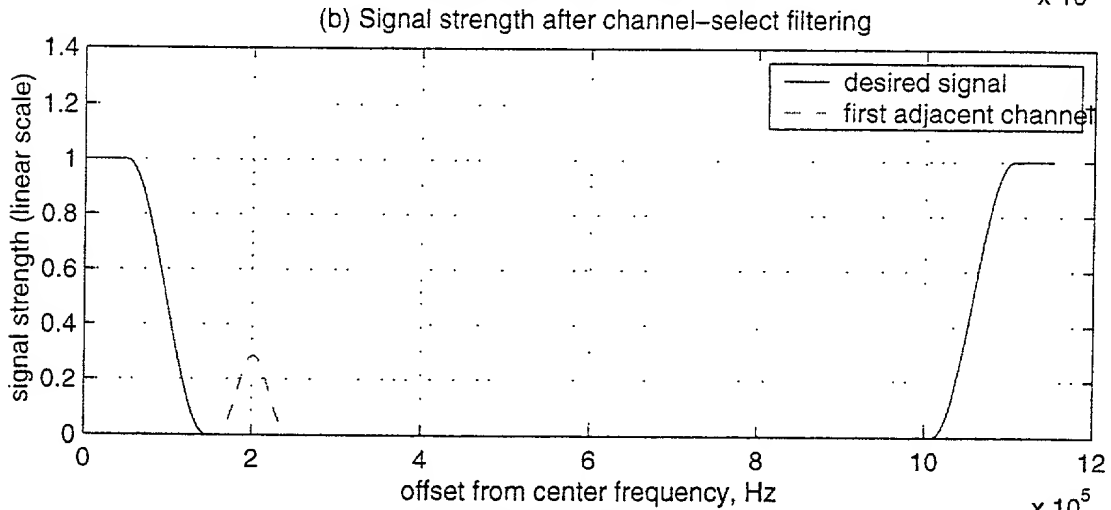
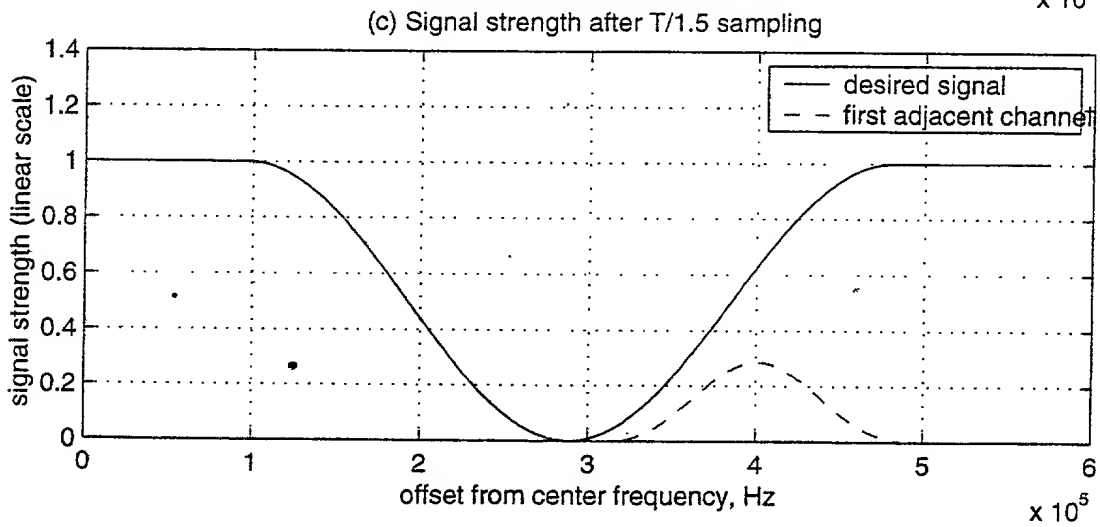
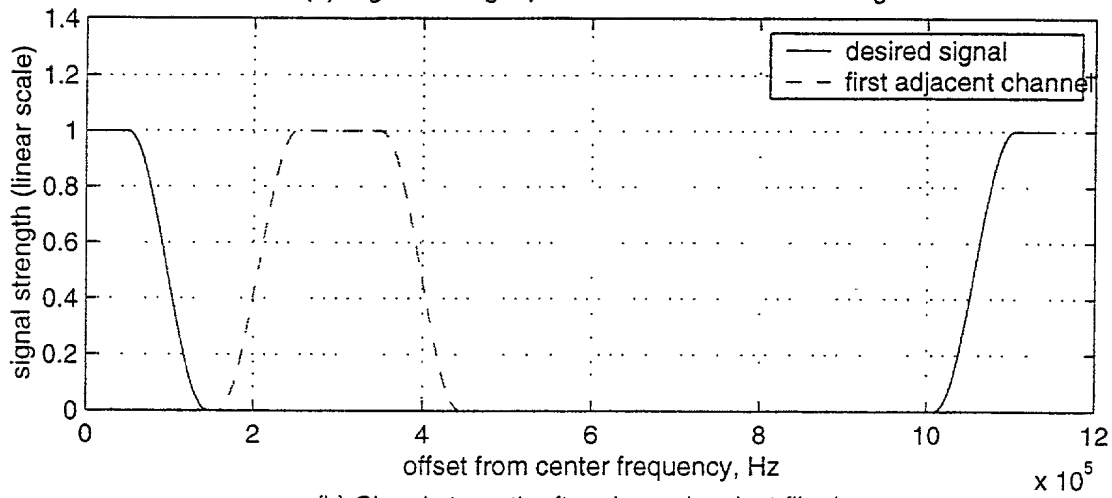


Fig.
3C

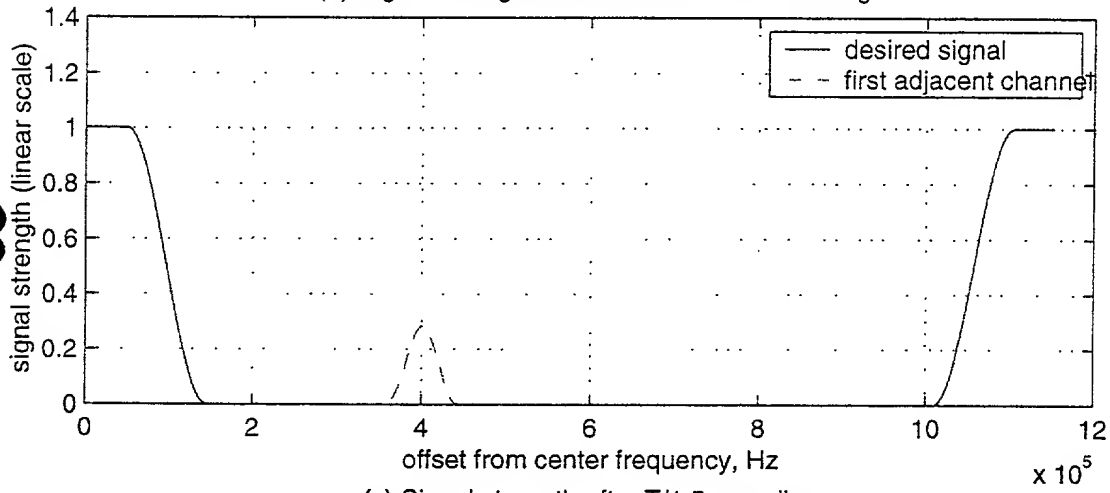


~~Figure 1. Basic method for adjacent channel nulling.~~

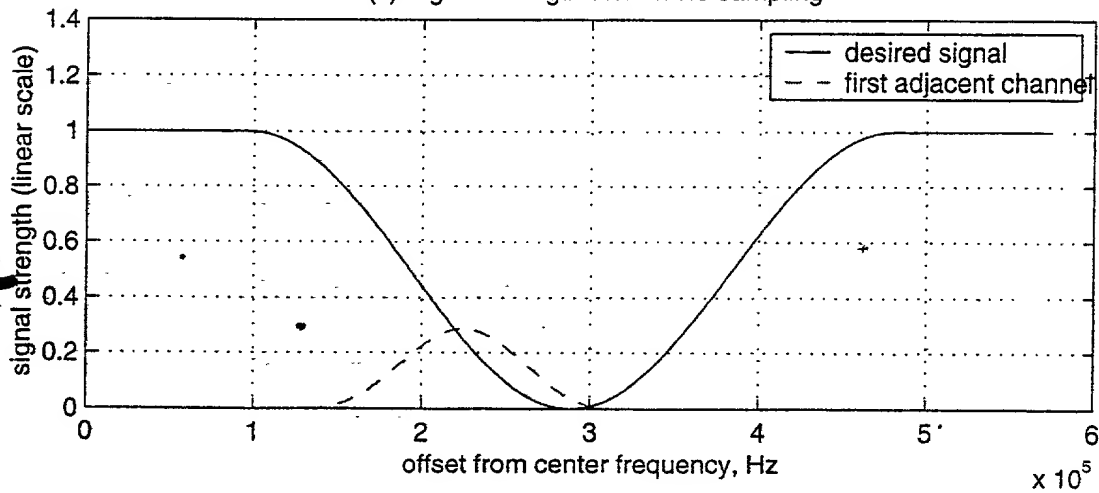
(a) Signal strength prior to channel-select filtering



(b) Signal strength after channel-select filtering



(c) Signal strength after T/1.5 sampling



~~Figure 2: Improved method for adjacent channel nulling~~

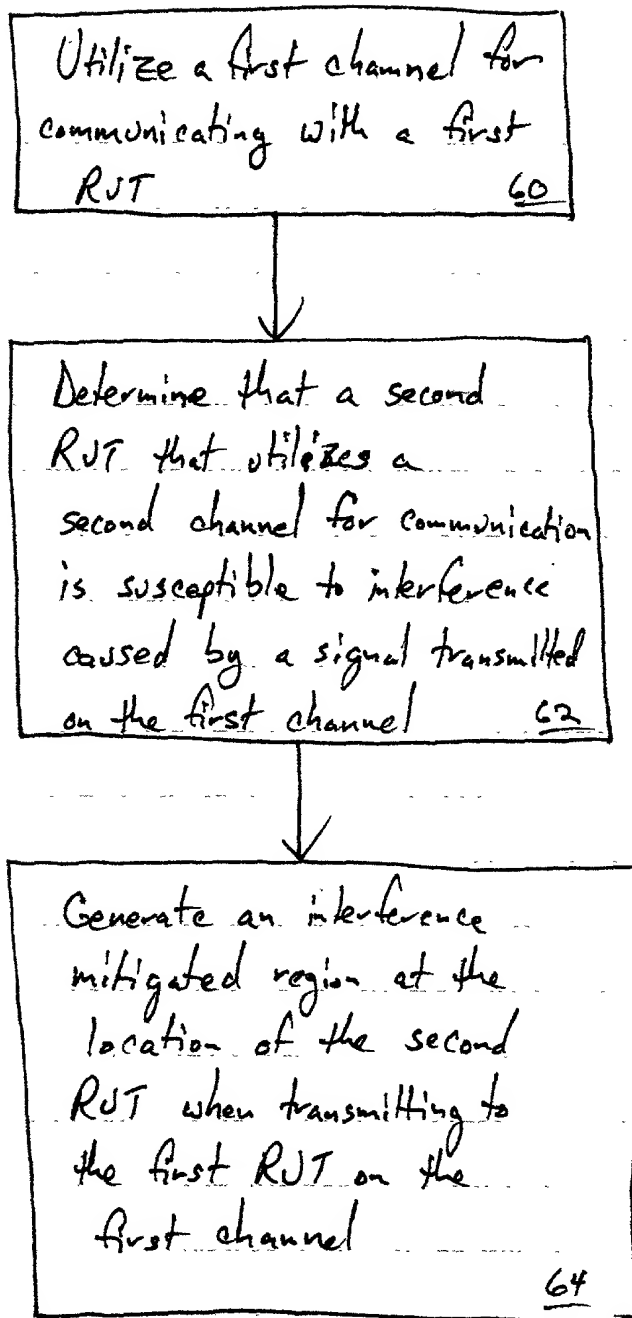


Fig. 5

Determine that transmission
of at least one downlink
signal will cause a ghost
signal at a location

70

Adjust a downlink weight
to be applied to the downlink
signal(s) to mitigate the
effect of the ghost signal
at the location

72

Transmit the downlink
signal in accordance
with the adjusted
downlink weight

74

Fig. 6